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ARRT Registry 2023/2024 Exam: Questions and 100% Correct Verified Answers| Latest Update

QUESTION
What is the SI unit for air KERMA

Answer:
Gray

QUESTION
What is the SI unit for Effective Dose?

Answer:
Coulombs per Kg

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QUESTION
_____ is the sum of the weighted equivalent doses for all irradiated tissues and organs

Answer:
Effective Dose

QUESTION
Hematopoietic Syndrome occurs at what dose?

Answer:
1-10 Gy

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QUESTION
Gastrointestinal Syndrome occurs at what dose?

Answer:
6 Gy

QUESTION
Cerebrovascular Syndrome occurs at what dose?

Answer:
50 Gy

QUESTION
Glass Windows mmPb Equivalency

Answer:
1.5 mm

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QUESTION
Source to skin distance fixed fluoroscopic

Answer:
38 cm 15 inches

QUESTION
After five minutes the fluoroscopic machine will...

Answer:
Shut off the Fluoro

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QUESTION
Minimum Source to Skin distance Mobile Unit

Answer:
12 inches

QUESTION
Four Quadrants of the abdomen

Answer:
right upper, left upper, right lower, left lower

QUESTION
Nine regions of the abdomen

Answer:
right hypochondriac, epigastric, left hypochondriac, right lumbar, umbilical, left lumbar, right iliac, hypogastric, left iliac

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QUESTION
Where do the electrons that travel across the tube come from?

Answer:
Thermionic Emission

QUESTION
How are the electrons accelerated across the tube?

Answer:
High Voltage

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QUESTION
In what direction do electrons flow across the tube?

Answer:
Cathode to Anode (Spinning)

QUESTION
How are electrons focused in the tube?

Answer:
With focusing Cups

QUESTION
What happens when electrons are decelerated?

Answer:
They give off Photons

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QUESTION
What does Frequency determine in x-ray photons?

Answer:
Energy

QUESTION
What are too early somatic effects of ionizing radiation? What is the dose required for this?

Answer:
2 Sv
redness

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